

Apple Lightning Biometric Card Reader

Model LBR20



- Apple Lightning
- Flexi-Adaptive Casing for all iPad models
- iOS SDK
- Charging with casing installed



- EMV 4.0 L1 certified
- ISO 7816 Class A,B,C
- FIPS 201 compliance
- Microsoft WHQL compliance



- MorphoSmart Technology
- Optical Sensor
- Best and compact sensor
- High quality fingerprint acquisition
- Fast speed on matching and identification



Technical Specification

- **Connectivity**
 - Apple Connector : Lightning Protocol
- **Contact Smart Card Interface**
 - Standard : ISO7816 Classic A, B, and C (5V, 3V, and 1.8V)
 - Protocols : T0 and T1
 - Supply Current : 50 mA (max)
 - Read/Write Speed : 115200 bps (max)
 - Short Circuit Protection : Yes
 - Clock Frequency : 4.8 MHz
 - Card Connector : Contact
 - Card Insertion Cycles : 500000 (max)
 - Card Form Factor : ID-1 size
 - Compliance : EMV 4.0 L1 certified, ISO 7816, FIPS 201 interoperability
- **MorphoSmart™ Biometric Interface**
 - Model : CBM-V3
 - Compliance : MINEX/FIPS201, IP65
 - Storage : 500 users or 1000 templates
 - Output Formats : Proprietary, Raw, ISO19742-4 (E2 model), WSQ (On demand)
 - Sensor Area : 14 x 22mm Optical
 - Resolution : 500 dpi
 - Grey Scale : 256
 - Compliance : FBI PIV IQS certification (E2 model), FCC, CE, RoHS
- **Mobile Operating System**
 - iOS : iOS 8 above
- **Battery**
 - Type : Lithium Polymer Rechargeable
 - Capacity : 1200 mAh
 - Charging port : Micro USB
- **Built-in Peripheral**
 - Red Led
 - Blink : Battery is Low or Charging
 - ON : Battery is full or above 25%
 - Blue Led
 - Blink : Data Transaction
 - OFF : No Data Transaction
- **Operating Conditions**
 - Temperature : 0°C – 50 °C
 - Humidity : 10% - 90%
- **Physical Specifications**
 - Dimension : 280 * 173 * 20 mm
 - Color : Black
 - Weight : 85 g